TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Water Resources
William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville TN 37243
1-888-891-8332 (TDEC)

Compliance Inspection for General NPDES Permit for Stormwater Discharges from Construction Activities (CGP)

Site/Project Name:	**Memphis Regional Intermodal Facility (IMF) - Norfolk Southern Railway Company**	**NPDES Tracking Number:**	**TNR153856**
		Date Coverage was Issued	**13-DEC-13**
Street Address or Location:	3000 Norfolk Southern Way, Piperton	**Start date:**	01-DEC-13
		Estimated end date:	31-OCT-14
Site Description:	Convert temporary sediment control basins into permanent stormwater basins. Continue vegetating areas disturbed during IMF construction.	**Latitude (dd.dddd):**	35.02694
		Longitude (-dd.dddd):	-89.5733
County(ies): Fayette	**EFO:** Memphis **MS4 Jurisdiction:** N/A	**Acres Disturbed:**	40
		Total Acres:	

Name of Permittee (Developer/Operator): Norfolk Southern Railway Company

Name of Official Contact: Anthony Caruso	**Email:** Anthony.Caruso@nscorp.com	**Contact Phone:** 901-375-9477	
Address: 1200 Peachtree St. NE, 7-142	**City:** Atlanta	**State:** GA	**Zip:** 30309

	Check List (office & field checks)	Yes	No	Comments
1	Does the site have CGP coverage?	X		
2	Is NOC posted on site?			Not observed
3	Have the site contractors signed the NOI?			Only WCA Land Development has signed on to the coverage
4	Is the current SWPPP available for review?			In MEFO file
5	Are EPSCs in accordance with SWPPP?			See comments
6	Are EPSCs installed properly and functional?			See comments
7	Are inspection reports available on site?			Not observed/not requested
8	Is the proper buffer zone maintained?	X		
9	Inactive areas stabilized in 14 days? (7 days for steep slopes?)			See comments
10	Are more than 50 acres disturbed at one time?		X	
11	Has sediment discharged off site?			No off-site sediment discharge observed at time of inspection
12	Has sediment discharged into waters of the State?			Not verified
13	Are there unauthorized alterations to waters of the State?		X	
14	Are there violations of an existing ARAP? If so, ARAP No.?		X	
15	Other pollutants/discharges or unusual problems?		X	
16	Project complete & stable; no constr.-related SW discharges?		X	

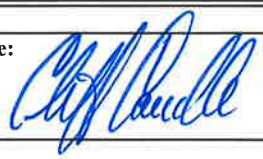
General Comments:
See attached inspection notes and observations.

Routine	X	Comprehensive		Complaint		Follow Up		Termination		

On-Site Contact (if available)

On-Site Contact Name (Print):	On-Site Contact Title:	Signature:	Date:

TDEC Personnel/Information

Inspector's Name (Print):	Signature:		Memphis Environmental Field Office
Cliff Caudle		**Date:** Aug. 18, 2016	8383 Wolf Lake Drive
		Time: 01:30 PM	Bartlett, Tennessee 38133
			Inspector's Phone: 901-371-3028

Memphis Regional Intermodal Facility (IMF) - Norfolk Southern Railway Company
Fayette County, Tennessee
TNR153856
Weather: ~ 83°F, very humid, overcast

Cliff Caudle of the Division of Water Resources performed a routine inspection of the site, and was escorted during the inspection by Mr. Josh Hatchett of AMEC, consultant for the intermodal facility, and for the latter half of the inspection by Mr. Mark Sheets, Terminal Manager for the intermodal facility.

Areas around the Loop Track were well-vegetated, including Outfall 34, as previously noted in the May 6, 2016 inspection.

Permanent Basin 4: Slopes in Permanent Basin 4 previously observed to be unstable and gullied, including around the slotted concrete outfall structure, had been re-graded, re-seeded, and were very well-vegetated (photos 1, 6, 7, 8). The bench above and north of the concrete outfall structure had been re-graded and revegetated, and the flow path from the bench to the outfall had been stabilized with riprap. The low flow channel from the south end of the basin northward to the confluence with the east drainage in the basin had been stabilized with rip-rap. However some areas in the immediate vicinity of the slotted concrete outfall structure lacked full vegetative cover. A stone filter ring had been placed immediately up-gradient from the intake to the outfall structure to provide velocity dissipation and promote settlement of potential suspended sediment. Flow from this basin discharges directly to Outfall SW9 and Stream 5.

Large Eastern Slope and Conveyance: The north end of the storm water conveyance/retention basin along the east side of the intermodal yard was very well-vegetated. The levee at the north end of the east conveyance/retention basin, and the slopes from the levee to the outfall/culvert/wingwall structure at SW9 were well-vegetated. Slopes around Outfall SW9 were well-vegetated (photo 11). Channel bottoms below outfall pipes at Outfall 9 were bare sand.

A rip-rap flume down the large eastern slope had failed near light pole 115 at the time of the May 6, 2016 inspection, and sediment had accumulated in the eastern conveyance. No additional work had been performed here, but some natural revegetation had occurred since the previous inspection (photos 2 & 3).

A slump slope failure had occurred near light pole 125 at the time of the May 6, 2016 inspection, and sediment had accumulated in the eastern conveyance below the slump. The slump had been repaired with rip-rap and the sediment that had previously accumulated below the slump had been removed to restore channel flow. The restored channel at the toe of the slope had a mostly sandy bottom (Photo 4).

A large, sparsely vegetated area was observed in the vicinity of light pole 129 above the eastern conveyance during the May 6, 2016 inspection. Some revegetation of the lower slope had occurred, but the upper slope remained unstable (photo 5).

Outfall SW 12 and Stream 6: Slopes around Outfall SW12 were well-vegetated. Water in Stream 6 was clear over a sandy bottom.

Permanent Basin 3: Permanent Basin 3 was well-vegetated with only a few minor, sparsely vegetated areas in the northern end of the basin (photo 12).

Several areas around the site where erosion issues had been noted by the permittee/their consultant had been regraded and were very well stabilized (photos 9 & 10).